PLANT FACT SHEET

Lannea microcarpa Engl. et K. Krause

GENUS *Lannea* **FAMILY** Anacardiaceae

EDIBLE PARTS AND USES

Edible parts: Leaves, Fruit, Gum, Vegetable

The young leaves are eaten as a vegetable.
The fruit are eaten raw or dried.
A fermented drink is made from the fruit. The fruit can also be cooked and made into a sweet drink.
The gum from the bark is soluble in water and is edible.

DESCRIPTION

A tree. It grows 15 m tall. The trunk is 70 cm across. The bark is grey. It loses its leaves during the year. The leaves are alternate and 25 cm long. They are compound with 2-3 pairs of leaflets and a leaflet at the end. The leaflets are oval and 5-13 cm long by 3-6 cm wide. The edges are slightly wavy. The top surface has resin dots. Trees are separately male and female. The flowers are in groups at the ends of branches. These are 15 cm long. The flowers are yellow-green. The fruit is oval and fleshy. It is 1.5 cm long with 4 small teeth on top. The fruit are purplish-black when ripe. There is one seed.

HABITAT

A tropical plant. It grows in savanna and on deep friable soil. It grows in the Sahel. It can grow in arid places.

PRODUCTION

Cultivation

Plants are grown from seed. Seed should be fresh. Seed don't store well at normal temperatures.

NOTES

The bark is used for dye.

REFERENCES

Abbiw, D.K., 1990, Useful Plants of Ghana. West African uses of wild and cultivated plants. Intermediate Technology Publications and the Royal Botanic Gardens, Kew. p 42

Achigan-Dako, E, et al (Eds), 2009, Catalogue of Traditional Vegetables in Benin. International Foundation for Science.

Assogbadjo, A. E. et al, 2013, Specific Richness and Cultural Importance of Wild Edible Trees in Benin. Acta Hort. 979, ISHS 2013

Atato, A., et al, 2010, Diversity of Edible Wild Fruit Tree Species of Togo. Global Science Books.

Atato, A.,et al, 2011, Edible Wild Fruit Highly Consumed during Food Shortage Period in Togo: State of Knowledge and Conservation Status. Journal of Life Sciences 5 (2011) 1046-1057

Awodoyin, R.O., Olubode, O.S., Ogbu, J.U., Balogun, R.B., Nwawuisi, J.U. and Orji, K.O., 2015, Indigenous Fruit Trees of Tropical Africa: Status, Opportunity for Development and Biodiversity Management. Agricultural Sciences, 6, 31-41

Ayantunde, A. A., et al, 2009, Uses of Local Plant Species by Agropastoralists in South-western Niger. Ethnobotany Research and Applications. Vol. 7: 53-66

Belem, M., et al, 2017, Strategy of Conservation and Protection of Wild Edible Plants Diversity in Burkina Faso. ANADOLU 27 (2) 2017, 82-90

Bernholt, H. et al, 2009, Plant species richness and diversity in urban and peri-urban gardens of Niamey, Niger. Agroforestry Systems 77:159-179

Belem, B., et al, 2007, Use of Non Wood Forest Products by local people bordering the "Parc National Kaboré Tambi", Burkina Faso. The Journal of Transdisciplinary Environmental Studies vol. 6, no. 1 p 9

Bojang, L., 1999, Non-wood Forest Products in The Gambia. EC-FAO Partnership Programme.

Bonou, A., et al, 2013, Valeur economique des Produits Forestiers Non Ligneux (PFNL) au Benin. Editions Universitaires Europeennes p 87

Burkill, H. M., 1985, The useful plants of west tropical Africa, Vol. 1. Kew.

Codjia, J. T. C., et al, 2003, Diversity and local valorisation of vegetal edible products in Benin. Cahiers Agricultures 12:1-12

Food Composition Tables for use in Africa FAO http://www.fao.org/infoods/directory No. 682

Gallagher, D. E., 2010, Farming beyond the escarpment: Society, Environment, and Mobility in Precolonial Southeastern Burkina Faso. PhD University of Michigan.

Glew, R. H., et al, 1997, Amino Acid, Fatty Avid and Mineral Composition of 24 Indigenous Plants of Burkina Faso. Journal of Food Composition and Analysis 10, 205-217

Grubben, G. J. H. and Denton, O. A. (eds), 2004, Plant Resources of Tropical Africa 2. Vegetables. PROTA, Wageningen, Netherlands. p 562

Gueye, M., et al, 2014, Wild Fruits Traditionally Gathered by the Malinke Ethnic Group in the Edge of Niokolo Koba Park (Senegal). American Journal of Plant Sciences 5, 1306-1317

Guinko, S. & Pasgo, L. J., Harvesting and marketing of edible products from local woody species in Zitenga, Burkina Faso. Unasylva - No. 168

Hahn, K., et al, 2018, The use of wild plants for food: a national scale analysis for Burkina Faso (West Africa). FVSS FoodPlants Supplement

Jardin, C., 1970, List of Foods Used In Africa, FAO Nutrition Information Document Series No 2.p 85

Keay, R.W.J., 1989, Trees of Nigeria. Clarendon Press, Oxford. p 372

Kristensen, M and Lykke, A. M., 2003, Informant-Based Valuation of Use and Conservation Preferences of Savanna Trees in Burkina Faso. Economic Botany, Vol 57, No. 2, pp. 203-271

Lamien-Meda, A., et al, 2008, Polyphenol Content and Antioxidant Activity of Fourteen Wild Edible Fruits from Burkina Faso. Molecules 2008,13, 581-594

Marquet, M. & Jansen, P.C.M., 2005. Lannea microcarpa Engl. & K.Krause. [Internet] Record from Protabase. Jansen, P.C.M. & Cardon, D. (Editors). PROTA (Plant Resources of Tropical Africa), Wageningen, Netherlands. < http://database.prota.org/search.htm>. Accessed 16 October 2009.

Martin, F.W. & Ruberte, R.M., 1979, Edible Leaves of the Tropics. Antillian College Press, Mayaguez, Puerto Rico. p 174

Maydell, H. von, 1990, Trees and shrubs of the Sahel: their characteristics and uses. Margraf. p 313

Mertz, O., Lykke, A. M., and Reenberg, A., 2001, Importance and Seasonality of Vegetable Consumption and Marketing in Burkina Faso. Economic Botany, 55(2):276-289

Moksia, F., et al, 2019, Diversity and Socio-Economic Value of Wild Edible Plants in the Mounts Mandara Region, Cameroon. International Journal of Sciences. Vol. 8:10

Okigbo, B.N., Vegetables in Tropical Africa, in Opena, R.T. & Kyomo, M.L., 1990, Vegetable Research and development in SADCC countries. Asian Vegetable Research and development Centre. Taiwan. p 38

Royal Botanic Gardens, Kew (1999). Survey of Economic Plants for Arid and Semi-Arid Lands (SEPASAL) database. Published on the Internet; http://www.rbgkew.org.uk/ceb/sepasal/internet [Accessed 25th March 2011]

Segnon, A. C. & Achigan-Dako, E. G., 2014, Comparative analysis of diversity and utilization of edible plants in arid and semi-arid areas in Benin. Journal of Ethnobiology and Ethnomedicine 2014, 10:80

Full reference list (3 more) at https://www.echocommunity.org/en/resources/53e98a6f-99e4-4474-bbc9-5188779271c7

PROVIDED BY **Food Plants International**

French, B.R. & Maynard, A.R. Food Plants International Database. Food Plants International

LICENCE CC BY-NC-SA 3.0

ONLINE FACT SHEET https://www.echocommunity.org/en/resources/53e98a6f-99e4-4474-bbc9-5188779271c7